

DPD-0902-61
COPY 1 OF 1

USAF Declass/Release Instructions On File

February 8, 1961

File No.: HD-P-159

Subject: FAK Summary - MK I
and MK II

JD
meets in
low

25X1A



Dear Jim:

Enclosed is a summary of our items in the MK I and MK II FAK systems. Each item is checked to show whether it is used in the MK I or MK II system, or a MK I item in the MK II FAK system (refers to note 3. items). Also, all items that we believe to be obsolete are checked, and a reference or reason is given. A few items that we believe should be added to FAK are also listed.

Any comments or suggestions, pertaining to this FAK summary, will be greatly appreciated.

Sincerely,



Field Service Administrator

25X1A

POM:hmd
Enclosure

25X1A

cc:



Part Number	Description	Note			Obsolete	Refer
		MK I	3	MK II		
038-8656	Source Lamp	X		X		
151-0018	Guide-Roller Assembly	X				
151-0046	Roller Guide Assembly	X				
151-0051	Change Gear Assembly 40T	X		X		
151-0052	Change Gear Assembly 60T	X	X	X		
151-0053	Change Gear Assembly 80T	X		X		
151-0054	Change Gear Assembly 96T	X		X		
151-0057	Change Gear Assembly 24T	X		X		
151-0058	Prism Assembly	X		X		
151-0070	Band Brake Assembly	X	X	X	X	S/B T-15
151-0077	Roller and Bearing Assembly	X				
151-0123	Dome Assembly	X	X	Not Req'd		
151-0151	Desiccator Assembly	X		X		
151-1062	Pawl Ratchet	X	X	X		
151-1063	Ratchet	X				
151-1066	Catch, Sprocket	X		X	X	S/B T-7, T-17
151-1067	Stop, Ratchet	X		X	X	S/B T-7 T-17
151-1332	Stud, Dome	X	X	X		
151-1359A	Spring, Tension Arm	X		X		
151-1369	Vert. Indicator Mask S.W. (.26)	X	X	X		
151-1370	Vert. Indicator Mask S.W. (.13)	X				
151-1371	Vert. Indicator Mask (.065)	X				
151-2157	Lamp, Dialight No. 327 (GE)	X	X	X		
151-2159	Actuator, Micro JV20	X	X	X		
151-2160	Switch, Micro V3-1	X	X	X		
151-2166	Gasket, O Ring AN 6227-B4	X	X	X		
151-2168	Gasket, O Ring AN6230-B4	X	X	X		
151-2183	Fuse, 4 AMP, Bussman MDL-4	X	X	X		
151-2188	Oil, Lubricating, Lehigh Chem. L401	X	X	X		
151-2189	Grease, Lubricating, MIL-G-15793 Anderol L793	X	X	X		
151-2190	Moly-Z-Powder-Lockray Co.	X	X	X		
151-2191	Methyl Alcohol, C.P.	X	X	X	X	S/B D-9
151-2192	Carbon Tetrachloride	X	X	X		
151-2194	Brush, Cosmetic, Maybelline Co.	X				
151-2195	Absorbent Cotton Balls, J & J or Red Cross	X	X	X		
151-2196	Pipe Cleaners - Dill or U.S. Tobacco Co.	X	X	X		
151-2200	Tape, Insulating, 3M No. 33	X	X	X		
151-2202	Tape, Masking, 3M No. 202	X	X	X		
151-2203	Sheets, Lens Tissue 9 x 15 No. 51	X	X	X		
151-2207	Solder, Kester Rosin Core 16 AWG 60/40	X				
152-1105	Adapter, Flexible Shaft	X				
152-1229	Locking Cone, Pot Small alpha & V/H	X	X		X	Note 1)
151-2161	Switch, Micro	X	X	X		
151-2201	Tape, Masking 3M No. 202	X	X	X		
151-1061	Spring, Pawl			X		

Part Number	Description	MK I	No. 3	MK II	Obsolete	Refer
152-1330	Gear, V/H Pot 22T	X	X		X	Note 1)
152-1334	Gear, Alpha Pot 45T	X	X		X	Note 1)
152-1341	Locking Nut, Pot V/H and alpha	X	X		X	Note 1)
152-1406	Boot	X	X		X	Note 1)
152-1411	Friction Inserts (.06)	X	X		X	Note 1)
152-1412	Friction Inserts (.09)	X	X		X	Note 1)
152-1456	Socket, Press-to-test AN3157-3	X			X	Note 1)
152-1459	Knob-Mode Switch No. 70-4-2G (Raytheon)	X			X	Note 1)
152-1461	Panel, Control	X	X		X	Note 1)
152-5000	Motor-power changer No. 5A1219 27V.D.C.	X				
501-0044	Gear Box Assembly	X	X	X		
501-0045	Metering Motor	X	X	X		
501-0047	Solenoid	X	X	X		
501-0060	Scan Motor	X	X	X		
501-1005	Bearing, Ball, New Departure R-3	X		X		
501-1028	Gasket, O Ring AN6227-B1	X		X		
501-1029	Gasket, O Ring MS295-13-123	X	X	X		
501-1075	Relay, Magnecraft 33HSX-89	X	X	X		
501-1076	Magnecraft Latching Relay 11LHTX4	X	X	X		
501-1242	Ring, Retaining W.K. No. 5108-106	X	X	X		
501-1267	Relay, Thermal Time Delay	X	X	X		
522-0052	Clock Heater Assy.	X	X			
522-0054-1	Cam, .006	X	X			
522-0054-2	Cam, .012	X	X			
522-0054-3	Cam, .024	X	X			
522-0054-4	Cam, .047	X	X			
522-0054-5	Cam, .096	X	X			
522-0054-6	Cam, .188	X	X			
522-0064	Lever Metering Sprocket	X			X	S/B T-17
522-0080	Mini-Joint Universal	X				
522-1002	Relay, G.E.	X	X			
522-1095	Cam - 1E Top	X	X			
522-1096	Cam - 1E Bottom	X	X			
522-1097	Cam - 4W Top	X	X			
522-1098	Cam - 4W Bottom	X	X			
522-1099	Cam - 1W - Top	X	X			
522-1100	Cam - 1W - Bottom	X	X			
522-1101	Cam - 4E - Top	X	X			
522-1102	Cam - 4E - Bottom	X	X			
522-1105	Spring, Ratchet Stop	X		X		
522-1106	Spring, Lever Metering	X		X		
522-1107	Spring, Lever Metering	X		X		
522-1108	Spring, Sprocket Catch	X		X		
522-1113	Cam - 2E - Top	X	X			
522-1114	Cam - 2-E-Bottom	X	X			
522-1115	Cam - 2W - Top	X	X			
522-1116	Cam - 2W - Bottom	X	X			
522-1117	Cam - 3E - Top	X	X			
522-1118	Cam - 3E - Bottom	X	X			
522-1119	Cam - 3W - Top	X	X			
522-1120	Cam - 3W - Bottom	X	X			
522-1123	Cam Switch Delay	X		X		
522-1128	Switch Micro Metering B27RW2T04	X		X	X	S/B T-11 T-8
HK731302-9	Lamp GE 334	X	X	X		
HK731450	Time Indicator	X	X			Modified into 501- 0096
PE-1004	Ring, Retaining WK #5100-18	X	X	X		

Part Number	Description	Note		Obsolete	Refer
		MKI 3	MK II		
PE-1006	Ring, Retaining WK #5100-37	X	X		
PE-1007	Ring, Retaining WK #5133-18	X	X		
PE-1008	Ring, Retaining WK #5133-12	X	X		
PE-1009	Ring, Retaining WK #5133-21	X	X		
PE-1010	Ring, Retaining WK #5133-25	X	X		
PE-1011	Pin Dowel 1/16D x 5/32 Pic D3-156	X	X		
PE-1012	Pin Dowel 1/16D x 3/16 Pic D3-187	X	X		
PE-1013	Pin Dowel 1/16D x 7/32 Pic D3-218	X	X		
PE-1014	Pin Dowel 1/16D x 1/4 Pic D3-250	X	X		
PE-1015	Pin Dowel 1/16D x 3/8 Pic D3-375	X	X		
PE-1016	Pin Dowel 3/32D x 3/16 Pic D4-187	X	X		
PE-1017	Pin Dowel 3/32D x 7/32 Pic D4-218	X	X		
PE-1018	Pin Dowel 3/32D x 1/4 Pic D4-250	X	X		
PE-1019	Pin Dowel 3/32D x 3/4 Pic D4-750	X	X		
PE-1020	Pin Dowel 1/8D x 1/4 Pic D5-250	X	X		
PE-1021	Pin Dowel 1/8D x 1/2 Pic D5-500	X	X		
PE-1023	Pin, Taper 8/OD x 3/8 Pic C-2-1	X	X		
PE-1024	Gasket, O Ring AN 902-63	X	X		
PE-1029	Pin, Roll ESNA 59-012-062-0187	X	X		
PE-1047	Switch, Micro 12TS1-2	X		X	S/B T-14
PE-1049	Switch, Micro 1P35	X		X	"
PE-2000	Bulb, Press to List #313 (GE)	X	X	X	Note 162
PE-2001	Bulb, Panel Light AN3140-327	X	X	X	"
PE-2002	Wire, Boot	X	X	X	"
PE-2003	Resistor, Motor-No. 5-350 ("Axiohm")	X		X	"
PE-2005-1	Actuator W/JS-5	X	X		
PE-2005	Switch Limit #1SM1-Micro	X	X		
PE-2006	Connector, Power Change #HM4D-LR (Winches-ter)	X	X		
151-0158	Clamp Roll Pin Extractor	X	X		
151-1441	Fixture Mirror Adjustable	X	X		
151-1458	Fixture, Prism Adjusting	X	X		
151-1459	Wrench, Box Hose Fitting	X	X		
151-1472	Screwdriver Slotted	X			
151-1482	Wrench, Open End 3/8 x 7/16 (Mod.)	X			
152-1572	Tachometer, Assy.	X			
152-1573	Multimeter, Portable W/Case #369	X			
162-0002	Collimator 100EFL	X			
162-0049	Box, Test Tracking Control	X		X	Note 1)
522-0075	Box, Test MK 1A Tracker	X	X	X	S/B T-14 & P.L. 61-19
522-0078	Fixtures, Program Cam	X	X		
151-0043	Disc, Clutch Sub Assy.			X	
151-0096	Photocell			X	
151-0112	Actuator, Special	X		X	
151-0122	Motor, Aperture			X	
151-0126	Power Cable			X	
151-1034	Spring			X	
151-1068	Spring, Ratchet Stop			X	
151-1069	Spring, Sprocket Catch			X	S/B T-7
151-1097	Spring, Guide Roller (Left)			X	S/B T-7
151-1160	Pin, Ball Point			X	
151-1161	Shaft, Cam			X	
151-1191	Spring, Clutch			X	
151-1192	Spring			X	

Part Number	Description	MK I	MK II	Obsolete	Refer
151-1205	Spring, Ratchet Stop		X	X	S/B T-7
151-1209	Spring, Stop		X	X	S/B T-7
151-1212	Spring, Guide Roller (Right)		X		
151-1233	Spring, IMC, Lever		X		
151-1261-1	Spring, IMC, Dial		X		
151-1261-2	Spring, IMC, Dial		X		
151-1314	Spring, Brake Lever		X		
151-2146	Capacitor 250 Mfd. 50 VDC Electrolytic		X		
151-2148	Diode, Germanium GE IN93		X		
151-2152	Resistor, Variable "Manual" IK		X		
151-2153	Resistor, Variable Sensitivity 10K		X		
151-2158	Switch, Push Button		X		
151-2163	Transistor-2N35		X		
151-2167	Gasket O Ring AN6230 B-24		X		
151-2173	Receptacle, United Carr 99871-C-089		X		
151-2174	Stud, United Carr, Fl. Hd. 98264-3-280		X		
151-2175	Stud, United Carr, Rd. Hd. 98293-3-280		X		
151- 2176	Stud, United Carr, W98193-3-280		X		
151-2177	Receptacle, United Carr, 99808		X		
151-2179	Gasket, 1/8 Dia. Sponge Rubber		X		
151-2180	Switch Toggle DPST "Power"		X		
151-2187	Gasket, O Ring AN6230-B38		X		
151-2197	Liquid Detergent (Joy)		X		
151-2198	"Q" Tips FAK		X		
151-2204	Anti-Static Compound, Merix Chemical Co.		X		
151-2205	Pliobond		X		
152-0032	Dome Assy.		X		
152-0072	Drift Grid Assy.		X		
152-1003	Lens, Corrector		X		
152-1062	Clip, Corrector Lens		X		
152-1187	Tab, Index		X		
152-1451	Socket, Panel Light TT51A		X	X	Note 2)
152-1456	Socket, Press-To-Test, AN3157-3		X	X	Note 2)
152-1459	Knob, H/Sight Switch No. 70-4-2G(Raytheon)		X	X	Note 2)
152-1505	Solder-Rosin Core 60/40 Alloy, No. 18 SWG. (Kester)		X		
500-1008	Panel, Control		X	X	Note 2)
500-1012	Gear, Nylon Bevel, 32T		X	X	Note 2)
500-1030	Clamp, Synchro		X	X	Note 2)
500-1031	Clip, Pot & Screw No. 4-40 x 3/8 Lg. Fil. HD Screw		X	X	Note 2)
500-1060	Motor, Tracking		X	X	Note 2)
500-1082	Boot, Rubber		X	X	Note 2)
500-1120	Transmitter, Synchro		X	X	Note 2)
500-1121	Amplifier, Servo		X	X	Note 2)
500-1122	Potentiometer, Trimmed		X	X	Note 2)
500-1160	Cover, Resistor Board		X	X	Note 2)
500-1187	Motor, Servo W/Gearhead		X	X	Note 2)
500-1195	Control Transformer		X	X	Note 2)
500-1227	Selector Switch Hind Sight		X	X	Note 2)
500-1255	Switch Selector Mode 4 MK II		X	X	Note 2)
500-1268	Knob Mode Switch		X	X	Note 2)
501-0024	Dome Assembly		X		
501-0061	Intervalometer		X		
501-0085	Relay, Polarized, Sigma 6H x 4C		X		
501-0093	Relay, Weston Sensitrol 1085		X		
501-0096	Time, Indicator		X		
501-1059	Bearing, Fafnir MF5DD-FS6000		X	X	S/B T-10
501-1060	Pin, United Carr 99785-2		X		
501-1061	Stud, United Carr 98264-1-100		X		

Part Number	Description	MK I	Note 3	MK II	Obsolete	Refer
153-1112	Resistor, 1280 Ohms			X		
153-1113	Resistor, Solenoid			X		
153-1114	Resistor, 266 Ohms			X		
153-1115	Resistor, 280 Ohms			X		

The following items should be added to FAK.

151-2146	Diode-Germanium	X				S/B T-8
522-1145	Transistor	X				S/B T-8
522-0099	Intervalometer-Electrical	X				S/B T-14
522-0098	Brake Band Assy.	X		X		S/B T-15
501-1020	Switch V3-601	X		X		S/B T-16
522-0084	Latch, Scan Sprocket Assy.	X				S/B T-17
522-0085	Lever, Scan Sprocket Assy.	X				S/B T-17
522-0086	Lever, Metering Sprocket Assy.	X				S/B T-17
522-0087	Latch, Metering Sprocket Assy.	X				S/B T-17
PK 5100-18	Retaining ring	X				S/B T-17
522-0123	Light source Assy.				X	S/B T-18
501-1105	Spring, metering cam	X		X		
522-1177	Relay-intervalometer	X				
501-0096	Timer Assembly	X				

Letter HD-P-157
Modified HK7314-
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Note 1) This item is obsolete if the MK I Hand Control is not required.

Note 2) This item is obsolete if the MK II Hand Control is not required.

Note 3) This item appears in the MK II, MK I FAK.